**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Study guide**

* California is known for what?
* What type of boundary does California have?
* What is the core made up of? Explain why?
* Explain how often earth plates move and why?
* What is the thickest of earth?
* What is the thinnest layer of earth?
* Rocks that are partially melted in the upper mantle are called?
* What is the layer above the core but beneath the crust?
* This layer floats on the asthenosphere and is made up of the upper mantle and crust.
* How is the lithosphere able to float on the asthenosphere?
* Name the outermost layer is called?
* Name the innermost layer?
* Plates that collide are called?
* Plates that pass each other are called?
* Plates that divide or separate are called?
* Explain how a supercontinent looks? How do the continents look now?
* Wave that causes the most damage is called?
* The slowest wave that vibrates at right angles is called?
* The fastest moving wave that has a push and pull and up and down effect is called?
* Cliffs and volcanoes are near a rift. Explain why?
* Describe the three volcanoes and illustrate them erupting.
* What do you know about the Pacific Plate and why it is called the Pacific Plate?
* This term has a chain of mountains that runs through the oceans floor?
* This forms when two plates divide or move away from each other.
* This terms help to form a new sea floor along a deep valley called a rift.
* Describe what happens during an earthquake. Put the process in order.
* If two cities have earthquakes at the same time and one city has more damage, what is the reason for this?
* This term is the point in earth’s structure at which an earthquake begins.
* A hill or mountain that forms around an opening in earth’s structure is called?
* What causes the earth structure to change immediately?
* What causes the earth structure to change slowly?
* How hot is the earth’s core? Celsius and Fahrenheit.
* A jolt in the earth crust is called?
* Describe two scales that are used in an earthquake.
* This term is a point directly above focus is called?
* Give two examples that would be a good model for the earth structure. Explain which model will be a better model.